506003647 04/07/2020 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6050357

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PARTY DA	ATA			
		Name	Execution Date	
DONG YOUN SEO			10/23/2013	
MIN GYU KIM			11/13/2013	
SUCK CHEL YANG			10/23/2013	
JOON KUI AHN			10/23/2013	
RECEIVING PARTY DA	ТА			
Name:	LG ELECTR	ONICS INC.		
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City:	SEOUL			
State/Country:	KOREA, REPUBLIC OF			
Postal Code:	07336			
PROPERTY NUMBERS Property Type		Number]	
Application Number:	1597		-	
Application Number:	1519		-	
		5737	-	
]	
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TTORNEY DOCKET NU	MBER:	21613-0228003		

ATTORNEY DOCKET NUMBER:	21613-0228003
NAME OF SUBMITTER:	NIKKI KRAHLER
SIGNATURE:	/Nikki Krahler/
DATE SIGNED:	04/07/2020

Total Attachments: 4
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source=21613-0228xxx_Assignment#page3.tif
source=21613-0228xxx_Assignment#page4.tif

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BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application No.	14/009,835	-	Filed Oc	tober 4, 2013	
Insert Name(s) of Inventor(s)	***((liven Name FAMILY NAME	(ALL CAPS))	***	
		ong Youn; KIM, Min Gyu the undersigned) has (have			
Insert Title of Invention	METHOD AND APPA SYSTEM	RATUS FOR SCHEDUL	ING IN A V	VIRELESS COMMUI	VICATION
		for Letters Patent of the because of a provisional app		s of America has been	executed by the
Insert Date of Signing of	on October 23, 20)13			; and
Application Insert Name of Assignee	WHEREAS, LG ELECT	RONICS INC.			
lusert Address of Assignee	of 20 Yeouido-dong, Yeo	ngdeungpo-gu Scoul 150-	721 Republic	c of Korea	
CHECK BOX	desirous of acquiring the	al representatives and as entire right, title and intere- ted therefor in the United tries.	st in and to s	said invention and in a	
F APPROPRIAT	NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does soll, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;				
	and to any and all divisi- term or terms for which th		is, conversio	ons and extensions the	reof for the full
	The undersigned agree(s) ing, divisional, conversion ion with such applications a		ereof and als	so to execute separate	

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

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PATENT REEL: 052333 FRAME: 0655

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ATTORNEY DOCKET NO. 5438-0497PUS1

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	2013, 10, 23,	Name of Inventor (signature) SEO, Bong Youn
Date		Name of Inventor
Date	2013,10 23	(signature) KIM, Min Gyu
	2-013, 10, 2-3	(signature) YANG, Suck Chel
		(signature) AHN, Joon Kui

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PATENT REEL: 052333 FRAME: 0656

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR

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ASSIGNMENT

Application No.	14/009,835	Filed	October 4, 2013	
Insert Name(s) of Inventor(s)	***(Given Name FAMILY NAME (ALL CAPS))***			
or moentor(s)			G, Suck Chel and AHN, Joon Kui ted certain new and useful improvements in:	
Insert Title of Invention	METHOD AND APPAI SYSTEM	RATUS FOR SCHEDULING IN	I A WIRELESS COMMUNICATION	
		for Letters Patent of the United 1 e case of a provisional application	States of America has been executed by the)	
Insert Date of Signing of Application Insert Name of Assignee	on November 13	3, 2013	; and	
	WHEREAS, LG ELECI	TRONICS INC.		
Insert Address of Assignce	of 20 Yeouido-dong, Yeo	ngdeungpo-gu Seoul 150-721 Rep	public of Korea	
CHECK BOX	desirous of acquiring the	entire right, title and interest in an inted therefor in the United States of	hereinafter designated as the Assignee) is d to said invention and in and to any Letters f America and	
I ATTOTRIATE	paid, the receipt of which undersigned has (have) a transfer unto said Assign America, its territories, d any and all Letters Pate	ch is hereby acknowledged, and sold, assigned and transferred, a tee the full and exclusive right to ependencies and possessions and at(s) which may be granted the	Dollars (\$10.00) to the undersigned in hand other good and valuable consideration, the nd by these presents does sell, assign and o the said invention in the United States of the entire right, title and interest in and to refor in the United States of America, its above is designated, in any and all foreign	
	and to any and all divisi term or terms for which the		versions and extensions thereof for the full	
antinui			n connection with this application and any	

continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

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PATENT REEL: 052333 FRAME: 0657

ATTORNEY DOCKET NO. 5438-0497PUS1

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The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date		Name of Inventor	
			(signature) SEO, Dong Youn
Date	22/3+ 11.13	Name of Inventor	len.
			(signature) KIM, Min Gyu
Date		Name of Inventor	
			(signature) YANG, Suck Chel
Date		Name of Inventor	
			(signature) AHN, Joon Kui

Birch, Stewart, Kolasch & Birch, LLP

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RECORDED: 04/07/2020